MegaPower 3200 Release 2.0

Release Notes

MegaPower 3200 components with version updates for Release 2.0:

Note: These versions of software and firmware are required to obtain all of the functionality of the MegaPower 3200 Release 2.0. For further information, see "EASY CPU Compatibility" in this document.

- EASY CPU Software Version 2.0
- ADMPCPU Firmware Version 2.00
- BVOM Firmware 2.0.315 (only required if used for Chinese/Korean language support)

Note: We recommend that the user upgrades all ADMPCPUs in a satellite configuration to the 2.00 Release to get access to the new enhancements introduced in this release.

Document revisions for Release 2.0:

Table 1. Available documents for Release 2.0

Description	Number	Revision	Date
MegaPower CPU Install and Service Guide	8200-0421-01	E	1st QTR 2009
MegaPower CPU Operator's Guide	8200-0421-02	E	1st QTR 2009
MegaPower CPU Administrator's Guide	8200-0421-03	F	1st QTR 2009
AD2010N/P and AD2020N/P Matrix Switching Bays Install Guide	8200-0421-08	B	Feb 2008
MegaPower CPU Activity Log Install and Operator's Guide	8200-0421-09	A	Mar 2007
MegaPower 3200 Chinese/Korean Language Support Release Notes	8200-0421-18	Release with Version 2.0	1st QTR 2009
SensorNet/Manchester Distribution Panel Install Guide	8200-0712-01	F	Jul 2008
RS-422 / RS-485 Distribution Panel Install Guide	8200-0712-02	E	Jan 2009
MPCPU Ethernet Firmware Upgrade Install Guide	8200-0813-01	A	June 2007

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New Features and Enhancement

1. Setting date/time from matrix keyboard

- **The user now can set the date and time using American Dynamics controllers AD2088, AD2089, ADCC0200, ADCC0300, ADCC1100, and ADTTE.**

  EASY CPU is no longer required to be installed just to set the time and date.

- **Time and date displays on the system video monitors as they are set.**

2. Configuring daylight savings time from within the EASY CPU application

- **The beginning and end date/time for Daylight Savings Time (DST) can be configured.**
- **DST changes are automatically based on entered (or Windows suggested) beginning and end date/time.**

  DST offset can also be adjusted by entering the offset time in minutes.

3. Enhancement of salvos to support views

- Salvos have been increased from 64 to 200.
- A salvo will be able to call multiple Views or Patterns.
- Salvo numbers will be unique and can be set from 1 to 9999.
- A view represents a dome address and preset number.
- A view number can signify an object in the facility. As an example, register 314, Black Jack 25.

4. Status displayed for either MPCPU A or MPCPU B

- Monitor, Camera, and Error Log status can be selected with radio button for either MPCPU A or MPCPU B
- The radio button text at the top of screen contains the MPCPU A and B Status such as, “Selected”, “Backup”, “Timeout (offline)”, or “IP Not Specified”.
- If IP addresses are provided (in System => Options) for both MPCPU A and MPCPU B (typically in a dual configuration), status information from either unit can be displayed by clicking on the “MPCPU A” or “MPCPU B” radio button.
- Upon entry to any Status screen, the EASY CPU application attempts to determine which unit in a dual-configured system (MPCPU A or MPCPU B) is the “Selected” one, which becomes the default for displaying camera status.

5. Camera status enhanced capabilities

- The user has access to the status of cameras that are directly connected to the ADMPCPU SensorNet or RS-422/RS-485 connections.
- The Camera Status reports the following information: video input, camera number, Title 1, Title 2, video state, sync state, dome/PTZ on-line, dome/PTZ connection, dome/PTZ address, mnemonic, Flash Version No., device type, device serial number, and device date of manufacture.
- As described above in item “4”, camera status from either MPCPU A or MPCPU B may be selected to be displayed.
- Due to the time delay required to gather information from domes, the status information is updated live and at different rates.

6. Passive Hot Switch status

- The Passive Hot Switch shows status of both MPCPU A and MPCPU B side-by-side. This is typically used for verifying and comparing the status in dual-configured systems, but if IP addresses for any two MPCPUs are provided in System => Options, status's for both will be displayed whether or not they are set up to be paired.
- The passive hot switch status will display the status for both MPCPU A and MPCPU B. Displayed will be each ADMPCPU's site number, site name, DHCP host name, IP address, MAC address, selected status, port range, firmware version, last selected, mating CPU port range, mating CPU status, mating CPU IP address, and alarm relay.

7. New Icons for Better Application Browsing

Some EASY application's icons were redesigned for a better browsing interface.

8. Enhanced menu read, write, and backup of configuration files

- **The EASY application allows the user to write the configuration data to an ADMPCPU through a more user friendly interface.**

  The interface presents the user with a pop-up choice list specifying writing the data to both ADMPCPUs in a dual system, saving the file, and making an archive backup copy.

- **The pop-up window has four check boxes that allow the user to choose any or all of the following actions to perform configuration updates:**
  - Write the configuration file to The ADMPCPU default or configured IP address.
  - Write to both dual-configured ADMPCPUs as specified by MPCPU A and MPCPU B IP/Hostnames in the Systems > Options menu.
  - Save the configuration file to a folder location on the user's computer.
  - Create a backup configuration file to a folder location on the user's computer or network.

- **Salvo, tour, and keyboard location names are stored in the ADMPCPU as part of the configuration data to prevent it from being lost or separated.**
  - This allows full data backup and recovery from the ADMPCPU.
  - These names will be 16 characters maximum in length and EASY CPU will truncate entries for older configuration files where users defined longer names.
  - During this release, the other EASY CPU "comment only type of fields" that are not currently written to the ADMPCPU are removed to eliminate reading configuration data inconsistency. These include camera location, monitor name, and PTZ check box.

- **Other functionality such us browsing to a folder location in both save and backup is available.**

9. Configuration file properties

- **Configuration file properties is now available to the user under File > Properties**.

  The file properties include: File Version, Date File Created, Last User To Modify File, Date File Last Modified, Last User To Write File To CPU, Date Last Written To CPU A, CPU A IP Last Written To, Date Last Written To CPU B, and CPU B IP Last Written To.

- **All configuration files created prior to EASY V2.00 will be File Version 1.00 files.**

  The newer file version will be V2.00, and these files will contain file "tagging info" also known as file properties.

10. Chinese and Korean language support

- **Chinese and Korean language support information can be found in MegaPower 3200 Chinese/Korean Language Support Release Notes 8200-0421-18 posted on www.americandynamics.net.**

  Previous Chinese and Korean versions require upgrade to release 2.0 for compatibility or support.

- **All new manufactured BVOMs will ship with firmware version 2.0.315.**

  This new firmware allows Korean and Chinese characters to display on the MP3200 matrix output monitor.

11. Addition of tool tips for enhanced application browsing

The user can move the cursor over Cam => Def, Status => Cam and Status => Hot Switch column headings to display tool tips which will offer explanation of the descriptive titles.

12. Dome alarms

- The user can access alarm activity from alarm contacts that are connected to compatible domes.
- The alarm activity only works with SensorNet and duplex RS-422 protocols.
- Dome alarms offer an alternative to the AD2096 matrix alarm interface unit.

13. Multi-dome control protocols directly from ADMPCPU

- **Address range can be uniquely configured for each connection.**
- **The ADMPCPU has two RS-422/485 connections, each supporting 100 addresses.**
- **RS-422, Manchester, and SensorNet address ranges can be user defined for better system performance.**
- **The user can perform ping tests (dome communication test) on SensorNet and duplex RS-422 domes.**

  The domes will display for few seconds the dome's programmed Flash part number (including firmware version) and mnemonic. The ping test data is then collected and displayed for the remainder of the test on the selected monitor.
- **SensorNet and Manchester share the same data connectors on the rear panel of the MPCPU, thus only one protocol can be configured at a time.**

  The two data connection ports can be independently set for SensorNet or Manchester communication protocols.
- **The two RS-422/485 connections can be configured as RS-232 line drivers.**

  This allows the user to connect to the ADAC422D RS-422/RS-485 distribution panel when it is desirable to use an RS-232 connection.
- **The added connections allow the user to use ADACSNETD SensorNet and ADAC422D RS-422/RS-485 Distribution Panels to provide more flexible wiring topologies, including home run, daisy chain, and J-Box connectivity for both small and large systems.**

  The added connections also allow:
  - Alarm contacts, tours, and salvos to call up to 96 presets (SensorNet or RS-422) and three patterns (13 with SpeedDome Ultra 8 & 7E, see Table 2).
  - Direct connection to control older domes as well as new domes. Legacy fixed RS-422 speed domes are supported (including Mini-dome and UTPZ models) to the best practical performance level. Legacy domes are supported (see the "Legacy Dome Support" section).
- **When SpeedDome Ultra VIIE or SpeedDome Ultra 8 is configured into the 16-pattern mode, the MPCPU has the following pattern run/program capability:**
  - **From the keyboard (SensorNet or RS-422):**

    Pattern 1-3: This selection causes a grid to be displayed from which pattern 1-16 can be selected (to run or program). Once selected from the grid, the pattern works properly.

    Pattern 4-16: Attempting to run or program pattern 4-16 will only cause a beep with nothing else happening. To access pattern 4-16, select pattern 1, then select pattern 4-16 from the grid.
  - **Programming patterns into Alarms, Tours, or Salvos for SensorNet domes:**

    Pattern 1-3: Upon activation, displays a grid from which the operator must select desired pattern number, and then press Focus Far on keyboard.

    Pattern 4-16: This pattern works correctly.
  - **Programming patterns into Alarms, Tours, or Salvos for RS-422 domes:**

    Pattern 1-3: Upon activation, displays a grid from which the operator must select desired pattern number, and then press Focus Far on keyboard.

    Pattern 4-16: These patterns are not available.

- **Legacy dome features available with this release.**
  See Table 2 below.

Table 2. Legacy dome features available with this release

Dome Model	Connection	Protocol or Protocol Device	Address Range	Presets	Patterns	DirectSet	Ping Test	Alarm Inputs	180° Flip	Peel Pattern	Dome Reset
SpeedDome Ultra 8 and 7E	Direct Connect	SensorNet	1-254	96	16	Y	Y	4[2]	Y	Y	Y
		RS-422/485	1-100	96	16	Y	Y	4[2]	Y	Y	Y
		Manchester	1-64	60	16	N	N	0	Y	N	Y
	ADDL	AD2083-02C	1-99	60	16	N	N	4[2]	Y	N	Y
		AD2083-02B	1-99[1]	16	16	N	N	4[2]	Y	N	Y
		AD2091	1-64	60	16	N	N	0	Y	N	Y
SpeedDome Ultra 7	Direct Connect	SensorNet	1-254	96	3	Y	Y	4[2]	Y	Y	Y
		RS-422/485	1-100	96	3	Y	Y	4[2]	Y	Y	Y
		Manchester	1-64	60	3	N	N	0	Y	N	Y
	ADDL	AD2083-02C	1-99	60	3	N	N	4[2]	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	4[2]	Y	N	Y
		AD2091	1-64	60	3	N	N	0	Y	N	Y
SpeedDome Optima LT	Direct Connect	SensorNet	1-254	96	3	Y[3]	Y	0	Y	Y	Y
		RS-422/485	1-100	96	3	Y[3]	N	0	Y	Y	Y
		Manchester	1-64	60	3	N	N	0	Y	N	Y
	ADDL	AD2083-02C	1-99	60	3	N	N	0	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	0	Y	N	Y
		AD2091	1-64	60	3	N	N	0	Y	N	Y
SpeedDome Optima	Direct Connect	SensorNet	1-254	96	3	Y[3]	Y	1	Y	Y	Y
		RS-422/485	1-100	96	3	Y[3]	Y	1	Y	Y	Y
		Manchester	1-64	60	3	N	N	0	Y	N	Y
	ADDL	AD2083-02C	1-99	60	3	N	N	1	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	1	Y	N	Y
		AD2091	1-64	60	3	N	N	0	Y	N	Y
SpeedDome Ultra 6	Direct Connect	SensorNet	1-254	96	3	N	Y	4[2]	Y	Y	Y
		RS-422/485	1-100	96	3	N	Y	4[2]	Y	Y	Y
		Manchester	1-64	60	3	N	N	0	Y	N	Y
	ADDL	AD2083-02C	1-99	60	3	N	N	4[2]	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	4[2]	Y	N	Y
		AD2091	1-64	60	3	N	N	0	Y	N	Y
SpeedDome Ultra 5, 4, 3 Ver 3.xx FW	Direct Connect	SensorNet	1-254	96	3	N	Y	4[2]	Y	Y	Y
		RS-422/485	1-100	96	3	N	Y	4[2]	Y	Y	Y
		Manchester	1-64	60	3	N	N	0	Y	N	Y
	ADDL	AD2083-02C	1-99	60	3	N	N	4[2]	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	4[2]	Y	N	Y
		AD2091	1-64	60	3	N	N	0	Y	N	Y
SpeedDome Ultra 4, 3 Original FW	Direct Connect	SensorNet	1-254	96	3	N	Y	4[2]	Y	Y	Y
		RS-422/485	1-100	7	3	N	Y	4[2]	Y	N	Y
		Manchester	1-64	60	3	N	N	0	Y	N	Y
	ADDL	AD2083-02C	1-99	7	3	N	N	4[2]	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	4[2]	Y	N	Y
		AD2091	1-64	60	3	N	N	0	Y	N	Y

Table 2, continued

Dome Model	Connection	Protocol or Protocol Device	Address Range	Presets	Patterns	DirectSet	Ping Test	Alarm Inputs	180° Flip	Peel Pattern	Dome Reset
SpeedDome Ultra 2 and 1	Direct Connect	SensorNet	1-254	96	3	N	Y	4[2]	Y	Y	Y
		RS-422/485	1-100	7	3	N	Y	4[2]	Y	N	Y
		Manchester	NA								
	ADDL	AD2083-02C	1-99	7	3	N	N	4	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	4	Y	N	Y
		AD2091	NA								
SpeedDome (LT, Unicard & Std.)[4]	Direct Connect	SensorNet	1-254	96	3	N	Y	4	Y	Y	Y
		RS-422/485	1-100	7	3	N	Y	4	Y	N	Y
		Manchester	NA								
	ADDL	AD2083-02C	1-99	7	3	N	N	4	Y	N	Y
		AD2083-02B	1-99[1]	16	3	N	N	4	Y	N	Y
		AD2091	NA								
Mini-Dome, UTPZ and Older[4]	Direct Connect	SensorNet	NA								
		RS-422/485	1-100	7	3	N	Y	4	N	N	N
		Manchester	NA								
	ADDL	AD2083-02C	NA								
		AD2083-02B	1-99[1]	16	3	N	N	4	N	N	N
		AD2091	NA								

Notes:

1 On the AD2083-02B, address 64 was not used because it was reserved for host broadcast.

2 Some Outdoor SpeedDome Ultra Environmental enclosures only support one alarm input.

3 SpeedDome Optima and Optima LT respond to DirectSet command numbers as published in their manuals, but do not have text overlay capability to display the on screen menu.

4 SpeedDome 2000ES and some older domes were non-programmable; therefore, they can not support presets, patterns, peel, or flip features.

Legacy Dome Support

To simplify support of various dome types and generations, a simple connection setting will address the following:

- Pattern accuracy issues with variable speed commands (corrected in 2004 with SpeedDome VII and SpeedDome Optima; SpeedDome Ultra VI can be upgraded to VII with chip change).
- Older generation fixed speed domes (Mini, UTPZ and older were all EOL by 1992).

  The default configuration supports the best performance of current production SpeedDome Ultra 8 and SpeedDome Optima LT domes. This includes ZAP variable speed control in patterns and when the return data channel is not present.

  Dome presets (referred to as target, shot, or view) are only supported as stored in the dome and were limited to seven presets with:

- All SpeedDome and SpeedDome Ultra models before SpeedDome Ultra III.
- SpeedDome Ultra III, IV, and V with RS-422/RS-485 control until version 3.05 firmware which supports 96 presets (SensorNet supports 96 presets on these with any firmware).
- Supports of legacy domes to the best practical performance level. However, not fully tested with all legacy models, and the MPCPU will not compensate for latent dome defects.

All later models of SpeedDome Ultra and all models of SpeedDome Optima support 96 presets with RS-422/RS-485 or SensorNet. Manchester is limited to 64 presets in all implementations.

Each individual SensorNet or AD RS-422/485 connection can be set to the “Variable” speed (default) or the “Legacy” mode that applies to all domes on the respective connection (see the following table). Manchester only uses variable speed commands and has no return data so this section does not apply.

Table 3. Dome support for variable speed and legacy modes

Dome Type	Mnemonic returned by the dome	Pattern performance in variable speed mode	Number of Presets	Pan & Tilt in variable speed mode if no return data	Pan & Tilt in legacy mode if no return data (RS-422 SpeedDome Optima LT does not have return data)
SpeedDome Ultra 8 & 7e	SDU 8	Accurate fixed speed	96	Variable	Fixed
SpeedDome Ultra VII	SDU 7	Accurate fixed speed	96	Variable	Fixed
SpeedDome Ultra VI	SDU 6	Can be upgraded to SDU 7 with chip change	96	Variable	Fixed
SpeedDome Optima LT	SLT	Accurate fixed speed with Version 1.04	96	Variable	Fixed
SpeedDome Optima	SDO 1	Accurate fixed speed with Version 1.10	96	Variable	Fixed
SpeedDome Ultra III to VI	SDU x	Inaccurate fixed speed	96 with Version 3.xx FW	Variable	Fixed
SpeedDome Ultra 1 & II	none	Inaccurate fixed speed	7	Variable	Fixed
SpeedDome (all)	none	Inaccurate fixed speed	7	Variable	Fixed
Mini, UTPZ and older	none	none	7	none	Fixed

“Variable” speed (default)

When doing pattern programming, the variable speed pan and tilt commands will be used to allow the variable speed pattern feature of the SpeedDome Ultra VIIe and 8 to be used.

- SpeedDome Ultra VII with V1.05 firmware or later, SpeedDome Ultra VI upgraded to VII with chip change, and all SpeedDome Optimas will use these variable speed commands and produce accurate fixed speed commands.
- Older SensorNet and AD RS422/485 domes will use these variable speed commands, but patterns may not always be accurate.

This mode will use the variable speed commands for AD RS422/485 if return data is not available, therefore Mini, UTPZ and older domes will loose pan and tilt functions when return data is not present.

“Legacy” mode

- Fixed speed commands are used for pattern programming. Therefore, legacy domes have accurate patterns.
- If return data is not available, this mode uses fixed speed commands for AD RS422/485; therefore, Mini, UTPZ and older domes do not loose pan and tilt functions when return data is not present.
- AD RS-422/RS-485 SpeedDome Optima LT only operates with fixed speeds.

Mnemonic

- Early legacy domes do not transmit the product mnemonic (abbreviation) and device type code.
- When provided by the dome the data will be used in the EASY application “Camera Status screen” columns of and the ping test information display on the system monitor.
- If mnemonic information is not provided by the dome, it will be generated as stated in Table 4 which has matching bold digits of the flash version number.
- The shaded portion of Table 4 is for information only as these domes always return the fields.

Table 4. Device mnemonic information

Device	Mnemonic	Device Type Code	Flash Version Number
Viewer	VW1	0037	0710-**0156**-0102
SpeedDome Optima LT	SDOLT	0013	0710-**0174**-0102
SpeedDome Optima	SDO 1	2233	0701-**2843**-0110
SpeedDome Ultra 8	SDU8	0150	0710-**0882**-0100
SpeedDome Ultra VIIE	SDU7E	0120	0710-**0532**-0100
SpeedDome Ultra VII	SDU 7	0041	0710-**0147**-0108
SpeedDome Ultra VI	SDU 6	2477	0701-**4008**-0103
SpeedDome Ultra LT	SLT	2283	0701-**4009**-0100
SpeedDome Ultra V	SDU3-5	2283	0701-**2507**-0307
SpeedDome Ultra IV	SDU3-5	2283	0701-**2507**-0307
SpeedDome Ultra III	SDU3-5	2283	0701-**2507**-0307
SpeedDome Ultra II	U 1-2	2287	0701-**2315**-**03**07
SpeedDome Ultra	U 1-2	1036	0701-**2315**-**02**09
SensorTrac	TRAC	3333	0701-**4003**-2512
SpeedDome LT	SD LT	1326	0701-**2489**-0102
SpeedDome 2000 ES	SN	0430	0701-**0082**-0200
SpeedDome Unicard Snet	SP	0760	0701-**0081**-0316
SpeedDome Answers 94 or C9 but not C4	SP	0428	0701-**0006**-0630
Mini, UTPZ and older	Mini	Answers 94 but not C4 or C9	

EASY CPU Compatibility

The new version of the EASY CPU software will support both the old production and new production versions of:

- MegaPower CPU (ADMPCPU) firmware. However, V2.0 enhancements will not be available with older versions of MPCPU.
- EASY CPU software; however the enhanced features cannot be configured.

Non production versions refer to software or firmware versions never released into production and shipped with full production MegaPower 3200 systems.

Release 2.0 features were developed to enhance the product; therefore, users should be encouraged convert to new versions of both ADMPCPU and EASY CPU. However, since this issue is complex, the following bullet points cover all combinations of old and new EASY CPU and ADMPCPU versions:

1. EASY CPU 1.0 through 1.3 supports:

- **All previous production versions of ADMPCPU.**

  Versions previous to Release 2.0 will operate as they currently do; however, users will need to upgrade to Release 2.0 or greater to obtain new features.

- **Production version 2.00 of the ADMPCPU.**
  - The new features of Release 2.0 that require configuration cannot be enabled, and users will need to upgrade to EASY CPU to obtain Release 2.0 features.
  - ADMPCPU V2.00 can read and store V1.00 format configuration files. Therefore it will handle configuration values that are new and therefore missing or have different orders or meanings.
  - The main reason for this is the ADMPCPU firmware may be converted from V1.00 to V2.00 before new configuration data is written. Therefore the V2.00 ADMPCPU needs to operate with V1.00 configuration data.

2. EASY CPU 2.0 supports:

- **Previous production versions of ADMPCPU.**

- **Version 1.00 format of configuration files.**

  Users can use the V2.00 Easy CPU to maintain configuration files for ADMPCPU units previous to V2.00 firmware.

  Configuration files generated by Release 2.0 EASY CPU have new and modified data features that are not contained in previous configuration.

  Older formatted files are now designated V1.00 format configuration files. EASY CPU V1.00 files will be compatible with ADMPCPU firmware previous to V2.00.

  The new configuration file format will be tagged as V2.00 files, and will be only compatible with ADMPCPU V2.00.

  Cannot create a V1.00 file from File => New. EASY CPU V2.00 can only “Open” or “Read” existing V1.00 files.

- **Option for the user to up convert V1.00 files that were opened or read.**

  When:
  - User performs a “Save As…” on an open V1.00 file
  - User performs File => Write of a V1.00 configuration file to an ADMPCPU.

  The only provision:
  - EASY CPU V2.00 has to “down convert” a V2.00 file to a V1.00 file format is when a V2.00 file is written to an ADMPCPU version previous to V2.00. In which case, it will be converted to a V1.00 format configuration file upon the write, but if saved it will be as a V2.00 format configuration file.

  A blank default V1.00 configuration file will be provided which can be opened, renamed, and saved to obtain a legacy format configuration file. This lets users maintain old files with the new EASY CPU that are used for legacy ADMPCPU versions. The user is not precluded from writing a V1.00 file to a V2.00 ADMPCPU if it is not up convert upon a File => Write, and by staying with the old format of course the new features will not be enabled.

  - Supports production versions of ADMPCPU version 2.00. The preferred arrangement is to use new versions, and is required to obtain all of the corrections and enhancements. Also new problems will require upgrade to the latest versions to isolate and resolve such issues.

- **EASY CPU Release 2.0 shall be compatible with Microsoft® XP Professional Service Pack 2, Windows® 2000, and Microsoft Vista® operating systems.**
  - Vista versions to be compatible with include Business, Ultimate, and Enterprise. 64Bit versions of the Vista operating system will not be supported.
  - Limited testing was done with Windows 2000.
  - The EASY CPU will not work with the Microsoft Vista operating system unless the firewall is properly set up (see “Changing Firewall Settings…”, next).

Changing the Firewall Settings on Vista to allow Easy CPU to Write to MPCPU

Procedure:

1. Click the Start button at the bottom left-hand side of your screen, then click Control Panel in the right-hand menu.
2. On the Control Panel screen, go to the Windows Firewall icon and double click it to open it.
3. At the top left-hand corner, click on “Allow a program through Windows Firewall” to open the Firewall Exemptions window.
4. The Firewall Exemptions window lists all the programs installed and running on Windows Vista. Browse through the list of programs until you find the Easy CPU configurator. Click the check box beside it.
5. Click the OK button. Easy CPU should no longer be blocked by the Firewall. Test this by performing a Write command to the MPCPU using Easy CPU software.

Known Defects

Table 5. Known defects

Defect	Description	Work Around
26	Easy Configurator does not warn user if the user issues certain illegal commands.	If an RS 232 port on the port module of an MPCPU is configured as a satellite port in the Definitions: Satellite Sites screen in the EASY CPU Configurator, it cannot be changed to another port type in the System: Port Configurations screen unless it is deleted as a satellite port in the Definitions: Satellite Sites screen. If you attempt to change the port type or baud rate in the System: Port Configurations screen, the EASY CPU Configurator will let you make the change and will report that the change was made. However, the baud rate will change, but the port type will remain unchanged on the MPCPU. The EASY CPU Configurator does not give any indication that the change was not made. If you write the file to the MPCPU and then read back the configuration from the MPCPU, the EASY CPU Configurator reports the old port type and the new baud rate configured for that RS 232 port. The port remains configured as a satellite port. To change the port type, first delete the port type as a satellite port in the Definitions: Satellite Sites screen, and then change to another port type in the System: Port Configurations screen.
1626	Enable email events for ADMPCPU switch and fault error.	While this feature has been added to the MPCPU firmware, There is currently no way to configure it from the EASY CPU Configurator.
1771	The application hangs when attempting to add cameras that were previously deleted.	This function has been changed. You can no longer delete cameras in this release.
1797	S3 Ver 1.30 does not update 'MONITOR STATUS' on a 'real-time' basis with the ADMPCPU.	S3 should be replaced by the EASY CPU Configurator to allow the visibility of monitors 129 256. The refresh rate of the monitor status is dependent on network delays and traffic.
1849	An attempt by EASY to read from a non-existent IP address generates multiple error messages.	Click OK on each error message that appears, and then enter the correct IP address for the MPCPU in either the Systems–Options (CPU #1) screen or in the File–Read dialog box.
1873	The 1030 LCD error code displays on the selected CPU during normal video switching operation.	This error only applies to a few MPCPUs that have been identified with this problem. These units have been sent to Engineering for validation.
1880	Ease of use Enhanced Editing Capabilities required for large systems.	These enhanced features have not been implemented in this release. There is no work-around, except to follow the instructions pertaining to entering information that is found in the Administrator's Guide.
1881	Up to 7 second delay in operations when updating configuration data.	More recent enhancements in the MPCPU have reduced the delay time to less than 2 seconds in this release.
1891	The Activity Log Client generates duplicate entries of all received activity.	There is no work-around in this release. You will continue to see duplicate entries for each logged activity.
1898	Activity Log Client. Only the first of multiple instances shows updates.	Launch only one Activity Log Client session at a time. Any additional launches for the same IP address will not display any log data. The MPCPU only supports one Activity Log Client session for the selected MPCPU IP address.
1915	ADMPCPU allows the operator to enter menu mode in both the selected ADMPCPU and backup ADMPCPU.	In a hot-switch arrangement, avoid simultaneous access to the Menu mode of both MPCPUs by not issuing both 100 and 101 menu access commands from the same keyboard. This can cause menu cursor positions to become unsynchronized.
1930	Activity Logging Client should log data for both the "Active" and "Standby" ADMPCPUs.	There is no work-around in this release of EASY CPU. **Note:** If the MPCPUs are synchronized as they should be in normal operation, the standby CPU data is simply a duplicate of the active CPU data.
1974	Editing Enhancements. Copy and Paste doesn't work when right clicking on the mouse for multiple cells—only works for single cells.	Use either the Edit menu Copy/Paste options or the keyboard copy/paste (Ctrl-C/Ctrl-V) capabilities. Copy/paste functions are for rows; columns cannot be selected, only individual cells.

Table 5, Known Defects continued

Defect	Description	Work Around
1999	Displaying most any screen while reading f/ CPU can cause EASY data processing delays.	Use a faster PC. Limit the maximum configuration size, display the System: Options screen while reading the configuration file, and avoid displaying any screens containing lots of data during the Read process.
2007	Center Camera Titles defaults to left if nothing is selected but it sets text to right on screen.	After adding camera definitions, be sure to select a Center Title 1 and 2 choice other than None from the dropdown menus for each camera to ensure proper title placement. If you do not select a title justification after defining cameras, then you must reselect the correct Center Title justification for each, save it to file, and then Write the file to the MPCPU.
2036	Alarms not activating a Salvo correctly.	The monitor arming for Salvo was probably not armed correctly. Salvo alarm callups require monitor block arming with only the lead (first) monitor being armed with the desired contacts for the entire block of monitors.
2053	Translation errors in recent localization build.	Some translated strings are not available for certain languages in this release of EASY CPU.
2060	Camera Range and Monitor Range not updating correctly after a factory reset.	This function is working normally in this release, and the issue could not be reproduced.
2061	File > New not clearing the Monitor Status column.	Restart the EASY application.
2085	Satellite host port can be same for multiple sites.	The user can delete the row on EASY CPU definitions/satellite sites.
2097	ADMPCPU not updating DBVL card after a factory reset. Fixing will affect system performance.	After the user writes the config file to a Factory reset unit, they must follow it up with a 107 F2. Depending on the size of the system, this command can take up to 10 minutes to run.
2487	Localization - MPCPU A Selected & MPCPU B Optional not localized for any languages	The text “MPCPU A Selected & MPCPU B Optional” have not been translated to Chinese or Korean.
2490	Definitions / Keyboard monitor access custom range is not changed when the number of monitors is reduced	This can be corrected by "writing" the configuration file to the ADMPCPU, issuing a benign keyboard command to change a parameter (such as disabling a non-existent or already disabled monitor’s arming code with a 316-F2 command), waiting 5 minutes or more for the configuration file to be rebuilt, and performing a "read" once again from the EASY CPU application.
2496	Date & Time>>CPU date should be in standard letters format (MM/DD/YY)	The indication of the date standard is displayed but may show M/d/yyyy instead of MM/DD/YY.
2514	When you choose a language in the options screen and reopen easy it always reverts back to English in the drop down menu	This defect only affects the language selection in the dropdown menu in the options screen.
2519	The Error Log Status display screen within the EASY CPU application intermittently fails to update.	Recovery requires closing the EASY CPU application and launching it again. On some networks, switching between the “Selected” and “Backup” CPUs can sometimes take over 10 seconds to refresh the Error Log Status display.

Fixed Defects

(from EASY CPU version 1.3 and ADMPCPU version 1.06)

Table 6. Fixed defects

Defect	Description
1520	Definitions\Satellite Sites. Warning if you attempt to input a null character.
1593	SnapShot fields in EASY CPU Options Window not updated when file read from MPU.
1596	Pseudo numbers are not displaying properly. They sometimes show physical camera numbers instead.
1769	Error occurs when attempting to access categories relating to previously deleted data.
1798	Deleting keyboards in 'ADMPCPU > Definitions > Keyboards' will not permit them to be reentered.
1850	EASY CPU Passive Hot Switch Status only updates or shows status of CPU #1 IP address.
1851	Easy CPU should be able to update configuration data of both CPUs in dual mode and TOD to all satellite CPU.
1852	Leaving the cursor in the most recently changed field and 'saving' does not always accept new value.
1877	After launching the Configurator, the first attempt to write yields "forcibly closed" error.
1911	EASY CPU configurator cannot open configuration files saved by activity logging.
1917	A File/Write should have four check boxes for CPU #1, CPU #2, system folder, and backup.
1920	Selecting "[] Use the configured address" during Write doesn't display target IP address(es) as a confirmation.
1921	The "Passive Hot Switch Status" display screen headings are unclear.
2006	Load test with SensorNet + ADDL, or ADDL alone causes poor manual PTZ control.
2009	Editing Enhancements- Alarms section.
2016	ADMPCPU is transmitting more data than it has to and incorrectly sets record bits to EASY CPU.
2018	EZ-CPU Satellite Sites won't accept Host Port values of zero, if already set to value greater than zero.
2019	Switching>Salvo>Alarm Contacts screen - Add & Remove button not working.
2020	Unhandled Exception Error appears when trying to add a monitor to Tours in the Event Timer.
2032	Cut & Paste doesn't do anything of value for Tours either within same or multiple instances.
2033	Creating Tours in S3 can cause problems when imported to EASY CPU.
2050	Unable to save program properly after edit in Partitions section.
2057	Event Timers not being deleted from ADMPCPU memory.
2072	Saving and writing configs to the ADMPCPU, write fails to become active after save.
2083	Camera Status stuck in loop when connection to ADMPCPU doesn't exist or fails.
2090	The VideoLoss processing doesn't specify the camera number of the alarmed video.
2109	Alarm messages not always being displayed on the monitor when they are being queued.
2112	Keyboard PRIORITY control-override configuration is not working.
2129	Presets >8 for Cameras >1024 are not being transmitted on the proper AD Data Line.
2134	Salvo and Tour names entered into EASY are not saved to/restored from the MPU.
2135	Camera titles increase field size when generated automatically.
2154	Copy/Paste menu function causing an anomaly where a different value is pasted than was copied.
2155	The keyboard contention message does not correctly display keyboard numbers above 99.
2157	Reducing the System > Options - Max Cameras Configuration results in unexpected data loss.
2160	ADMPCPU sending more than one email for alarms.
2168	Systems>options menu: max configurations should default to Cameras=1024, Monitors=128 & Alarms=1024.
2172	Duplicate alarm contacts.
2185	Alarms cannot be turned off.

Table 6, Fixed Defects continued

2189	Tours do not run correctly when pseudo numbers are different than camera numbers.
2389	EASY CPU not loading on Vista operating system.
2348	An error is intermittently displayed when trying to copy and paste monitor access to all 3200 cameras.
2389	EASY CPU not loading on Vista Ultimate.
2406	EASY CPU crashes if a camera pseudo number clashes with an existing camera number.
2407	Backing up a file causes EASY CPU to display previously saved values.
2409	Error message displayed when setting tours 7, 8, or 9.
2412	Clicking on a field can put the text cursor to the right most position so text cannot be entered.
2413	Possible to set a tours dwell time to more than 60 seconds.
2415	Event timer alarms do not disable.

Limitations

- Sorting is disabled in the Camera Status screen to ensure that the live status information captured from the cameras does not get corrupt.
- Since the SensorNet/Manchester data connectors are configurable to Manchester, Manchester controlled devices may exhibit random movement if:
  - A new ADMPCPU containing different configuration with the data connectors configured to SensorNet, or if the data connectors are manually reconfigured to SensorNet.
  - Executing the command sequence 55F2 98F2 (return to factory default except port configuration) will not reset the data connectors' configuration to factory default to avoid Manchester controlled devices from exhibiting random movement.
  - Executing the command sequence 55F2 99F2 will rest the unit to factory default including port configuration.